

ABSTRACT OF THE DISCLOSURE

Method for forming an article comprising closed-cell microfoam from thermoplastic.

The invention relates to a method for forming an article comprising closed-cell microfoam from thermoplastic, wherein at least one molten thermoplastic comprising a foaming agent is subjected under pressure to a forming operation and, after the pressure has been at least partially released is cooled, wherein the amount of foaming agent is substantially identical to the amount corresponding to that quantity of gas released by the foaming agent which is comprised by a close-packed structure of the foam cells having a specific foam-cell diameter, substantially uniform throughout the foam, at the pressure prevailing during cool-down.

The use of a nucleating agent is beneficial, and in the method according to the invention the concentration thereof proves to be a determining factor for the mean foam-cell diameter.